

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE 1539560

In re Patent Application of	JC17 Rec'd PCT/PTO	17 JUN 2005
Toshifumi YAMAKI et al.	) Group Art Unit:	
Application No.:	) Examiner:	
Filed: June 17, 2005	) Confirmation No.:	,
For: NOVEL NITRILE HYDRATASE	) }	

## FIRST INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, the accompanying information is being submitted in accordance with 37 C.F.R. §§ 1.97 and 1.98.

The listed documents were either cited in the specification or the International Search Report in the corresponding PCT application.

To assist the Examiner, the documents are listed on the attached form PTO-1449. Copies of the documents cited only in the specification are provided herewith along with abstracts and/or translations thereof. However, only translations of the documents cited in the Search Report are submitted as it is understood that the actual citations have already been transmitted by the International Bureau. It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

Date <u>June 17, 2005</u>

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## FIRST INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Completed Known					
Application Number	10/539560				
Filing Date					
First Named Inventor	Toshifumi YAMAKI et al.				
Examiner Name					
Attorney Docket Number	018765-218				

Sheet 1 of 1

U.S. PATENT DOCUMENTS					
Examiner Initials	Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Issue/Publication Date (MM-DD-YYYY)	
	5,334,519	Α	Yamada et al.	08-02-1994	
	6,730,508	B1	Ito et al.	05-04-2004	

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Examiner Initials		Kind Code (if known)	( Olinin/	Date of Publication (MM-DD-YYYY)	Translation	Partial Translation	Eng. Lang. Summary	Search Report	IPER	English Abstract	Cited in Spec
	09-275978	А	JP (corres to EP 0 790 310)	10-28-1997				X		×	X
	0 790 310*	A2	EP	08-20-1997							
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	11-253168*	А	JP (corres to US 6,730,508)	09-21-1999						X	х

NON-PATENT LITERATURE DOCUMENTS						
Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.					
V.,	KOBAYASHI et al., "Cloning, nucleotide sequence and expression in Escherichia coli of two cobalt-					
	containing nitrile hydratase genes from Rhodococcus rhodochrous J1," Biochim et Biophysica Acta, Dec. 2,					
	1991, pp 23-33, Vol. 1129(1), Elsevier Science Publishers B.V.*					
	HUANG et al., "Crystal structure of nitrile hydrastase reveals a novel iron centre in a novel fold," Structure, 1997, pp 691-699, Vol. 5, No. 5*					
	"Novel non-heme iron center of nitrile hydratase with a claw setting of oxygen atoms," Nature Structural Biology, May 1998, pp 347-351, Vol. 5, No. 5*					
,	MIYANAGA et al., "Crystal Structure of Cobalt-Containing Nitrile Hydratase," Biochemical and Biophysical					
	Research Communications, 2001, pp 1169-1174, Vol. 288(5), Academic Press*					

\*Copy attached.

Examiner	Date	
Signature	Considered	

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.